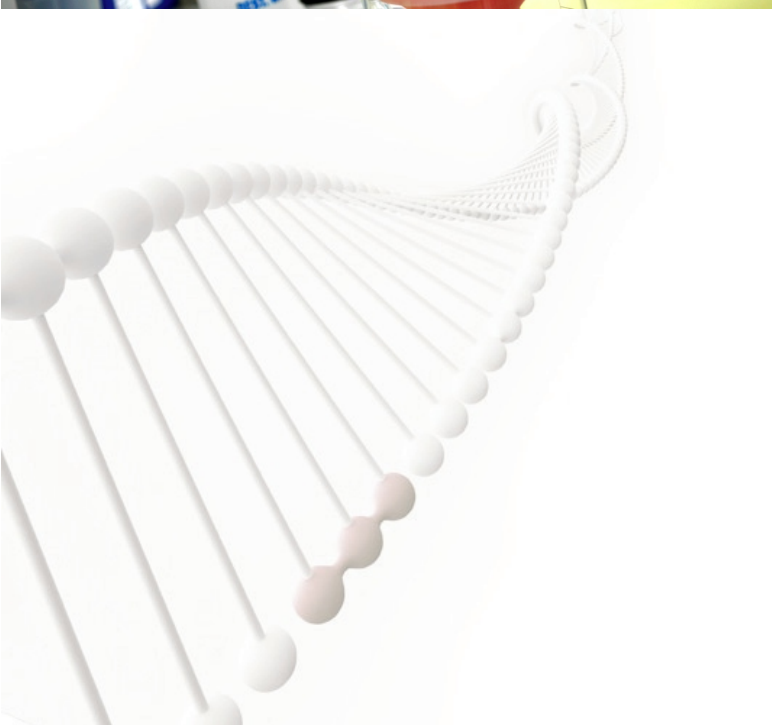


As a FCAD company, Watson International Ltd focuses on sales of fine chemicals globally developed by R&D companies of FCAD group. With our team's commitment to professionalism and quality, we have built a good reputation and served many respected customers around the world including Merck, Pfizer, AstraZeneca, P&G, Sigma-Aldrich, TCI, Solvias AG, Siemens, GE, Sony, Firmenich, EDQM, University of Geneva, Cornell University, National University of Singapore..



WATSON-SIOC LAB

The Shanghai Institute of Organic Chemistry (SIOC) was founded in May 1950 as one of the first 15 institutes established by the Chinese Academy of Sciences (CAS). The mission of SIOC is to conduct cutting-edge research in the science and technology of organic chemistry and related disciplines and publicly disseminate its research results and technological developments.

The WATSON-SIOC lab in Zizhu Park, Minhang District, Shanghai, China equips with advanced equipments including,

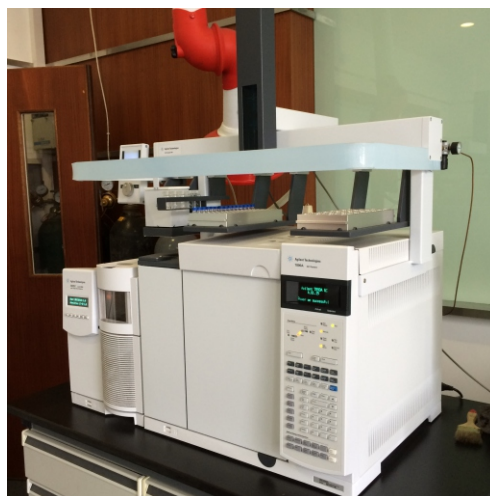
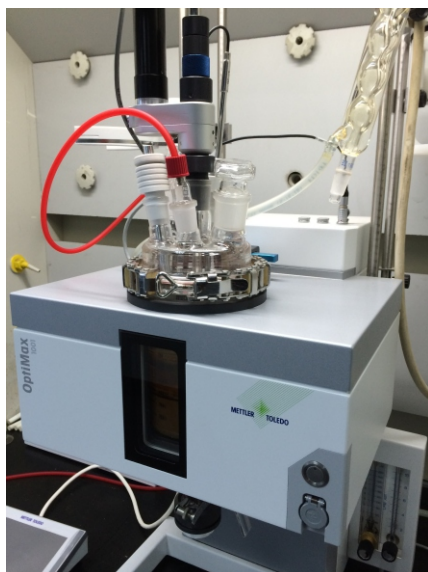
- Nuclear Magnetic Resonance (NMR)
- High Performance Liquid Chromatography (HPLC)
- Gas phase chromatography (GC)

And enhanced the research & development capacity of Watson effectively.



Strong R&D Capacity

We develop more than 300 new compounds and scale up at least 10 new products by production or outsourcing each year.



PRODUCT INFORMATION

Barium Sulfate



Product Number: WNPR00027475

CAS: 7727-43-7

Molecular Formula: BaSO₄

Molecular Weight: 223. 4

Synonym: Blanc Fixe

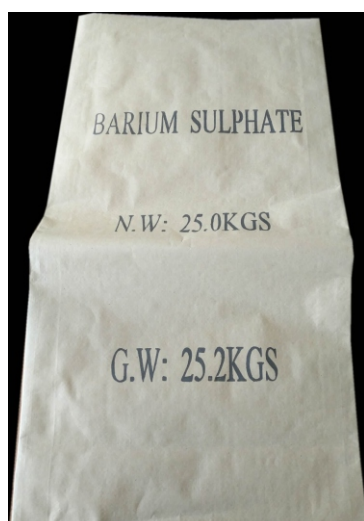
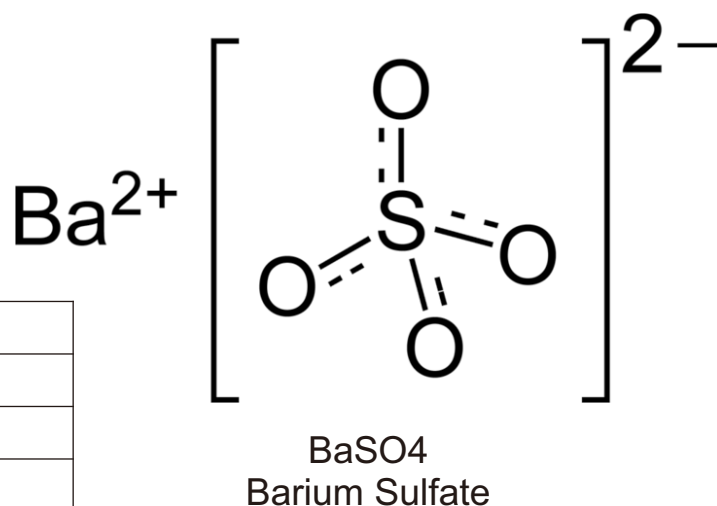
Barium sulfate occurs in nature as the mineral barite. The industrial applications of barium sulfate include the manufacture of cellophane and photographic papers, and use as a filler for linoleum, rubber, oil cloth, and polymeric fibers and resins. The inertness of barium sulfate to light and heat makes it very useful as a paint pigment. The use of barium sulfate as an adsorbant in protein isolation has been reported. Barium sulfate is also widely utilized in studies of X-ray contrast agents. A study of the use of barium sulfate in pellet formulations with microcrystalline cellulose has been described. In biomaterials research, barium sulfate has been utilized in the preparation of acrylic bone cements. An assay for cadmium determination by flow injection-chemical vapor generation-atomic absorption spectrometry that uses barium sulfate to mitigate potential interference from lead has been described.

Preparation Instructions

This product is soluble in dilute acids and in hot concentrated H₂SO₄. It is practically insoluble in water.

Typical physical properties Barium sulfate

Melting Point	1.580 °C
Relative Density @ 59°F (15°C)	4.5
Solubility in Water @ 64°F (18°C)	2.3 mg/l
pH	7



Package and Storage

Package: 25kg bag regularly or per request

Storage: Under room temperature away from light

Shelf Life: 2 years

SAFETY INFORMATION

Description of first aid measures

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Firefighting measures

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Sulphur oxides, Barium oxide

Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Further information

no data available

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

WATSON INTERNATIONAL LTD

Global Email: contact@watson-int.com (Recommended. A reply within 24 hours can be expected)

Europe:

Telephone: +44 (0)20 360 89 360-31

Telefax: +44 (0)20 360 89 360-31-9

America:

Telephone: +1 (909)345 0760-31

Telefax: +1 (909)345 0760-31-9

Asia, Africa and Australia:

Telephone: +86 512 81867260/70/80-1

Telephone: +86 512 81867260/70/80-3

www.watson-int.com

Twitter: www.twitter.com/fcadgroup

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